

**IMMERSION TYPE FLAT MEMBRANE FILTERING DEVICE****Publication number:** JP2001009246**Publication date:** 2001-01-16**Inventor:** ANDO HIROKI; TAKEMURA KIYOKAZU; OKUNO YUTAKA**Applicant:** HITACHI PLANT ENG & CONSTR CO**Classification:**

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B01D65/00; C02F1/44; (IPC1-7): B01D63/08;  
B01D65/02; C02F1/44

- European:

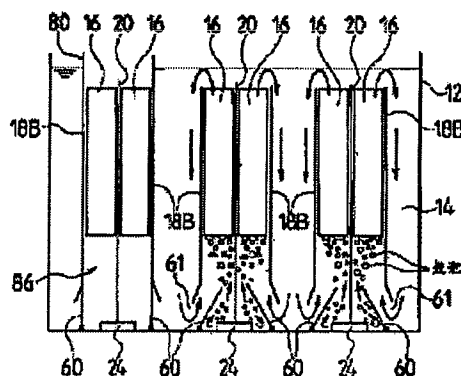
**Application number:** JP19990179554 19990625**Priority number(s):** JP19990179554 19990625

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**Abstract of JP2001009246**

**PROBLEM TO BE SOLVED:** To make it possible to effectively suppress the closure of various membrane modules and further to easily each chemical liquid at a low cost.

**SOLUTION:** This device is disposed with the many membrane modules 16, 16,... stored in the water 14 to be treated in a flat membrane tank 12 in such a manner that the spacings therebetween are larger by every two rows. The membrane modules are enclosed dividedly by two row each by air diffusion induction walls 188. Openings are formed in the lower parts of the air diffusion induction walls 188 and communicating paths of the water 14 to be treated are formed in the upper parts thereof. Swirling flow passages of the water 14 to be treated are sufficiently assured for the respective membrane modules 16. The air diffusion induction walls 188 are so constituted that the openings are freely opened and closed and that the communicating paths can be shut off. Independent washing tanks 86 may be formed by closing the openings and shutting off the communicating paths.



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